



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.3712

Job Sheet 174097



Part No: 646.3712

Job Qty: 6 ea

Part Name: Clip



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/9/18

Job Tracking No:

Created By: Michelle Gagnon-Donovan

Due Date: 3/23/18

Type: **SOLD**

Description:

Note: DWG REV A IPP REV:A 12.11.23 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea		3/15/18	0.00	0.00	Start Up Waterjet		OK 18/03/12
110	Waterjet	6 pcs		3/15/18	0.00	0.16	Waterjet1		OK 18/03/12
120	QC	6 pcs		3/15/18	0.00	0.00	QC2 Waterjet-1		OK 18/03/12
130	QC	6 pcs		3/15/18	0.00	0.00	QC8-1		38
140	Brake NC	6 pcs		3/15/18	0.04	0.26	✓ Brake NC 1		9-88
150	QC	6 pcs		3/15/18	0.00	0.00	✓ QC5		
155	HandFinish	6 pcs		3/16/18	0.00	0.18	✓ HandFinish4		
160	Outsource	6 pcs		3/23/18			ATG001-VC	5	CT 18/3/14 ATG05/07
170	Packaging	6 pcs		3/23/18	0.00	0.00	Packaging2		ATG05/07
180	QC	6 pcs		3/23/18	0.00	0.00	QC5		Q66
210	Packaging	6 pcs		3/23/18	0.00	0.00	Packaging3-1		CCK 104
220	QC21-SA	6 Ea		3/23/18	0.00	0.00	QC21		DAS

Part Op 110 - 1-Cut 646.3711 as per Dwg

Descriptions: 155 - CLEAN AND REMOVE ALL MARKINGS

160 - Issue P/O to ATG : 70034310 Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A

210 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6S.063	6061-T6 .063 Sheet	.2160 sf (.036 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6S.063	0	224	0



Container No: S050422



Part: 646.3712

Job No: 174097

Serial No/Batch: S050422

Revision:

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 832-6200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/12/18



Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Clip	1Inches $\pm$ 0	1 1		
2	Clip	2Inches $\pm$ 0	2 2		
3	Clip	3Inches $\pm$ 0	3 3		
4	Clip	0Inches $\pm$ 0	0 0		

Plex 3/9/18 4:10 PM Dart.Gagnon.Michelle

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

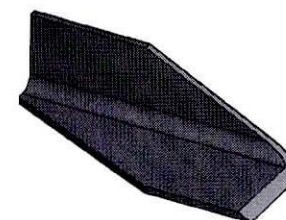
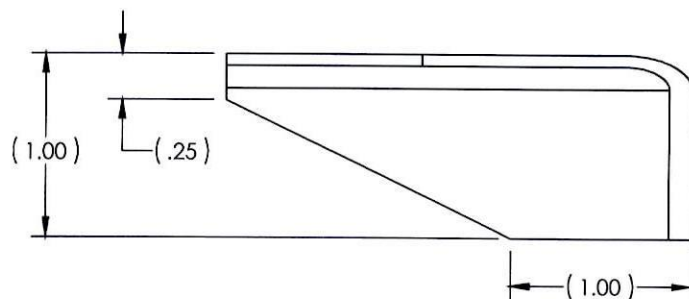
QA Closed: _____ Date: _____

Work Order update only ☐

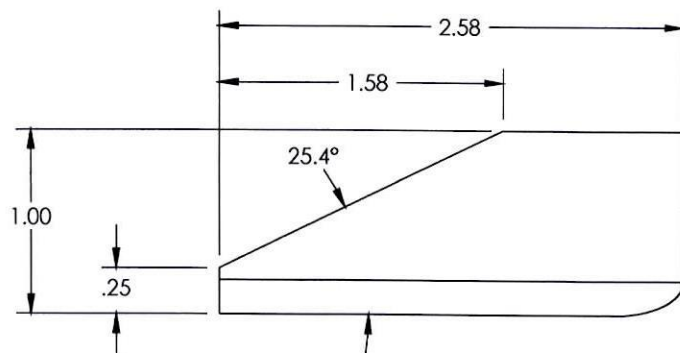
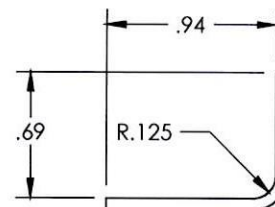
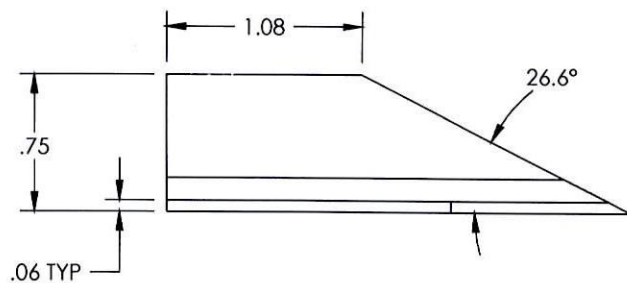
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



646.3711 SHOWN
646.3712 OPPOSITE



NEXT ASSY (S)	ORIGINAL DATE (DA-MO-YR)	06-18-08	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 SHEETMETAL	
	DRAWN BY	F. BRAVO		
	CHECKED	S. JOSEPH		
	DRAWING APPROVAL	S. JOSEPH		
	DATE	06-18-08	SHEET 3 OF 9	
	CONTRACT NO.			
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07M26
			DWG. NO. 646.3700	REV. A
			SCALE: NONE	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					



Dart Aerospace Ltd.
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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039310**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039310
PO Date: 3/14/18
Due Date: 4/18/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	174097	646.3712	Clip Issue P/O to ATG : _____ Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A	Firmed	4/18/18	6 pcs	0 pcs	6 pcs	\$7.55/pcs	\$45.30
2	174094	646.3715	Strut Doubler Issue P/O to ATG : _____ Hard Anodize, Color Black and Prime as per Dwg 646.3700	Firmed	4/18/18	12 pcs	0 pcs	12 pcs	\$7.70/pcs	\$92.40
3	170471	646.3716	Gauge Bracket Issue P/O to ATG : _____	Firmed	4/18/18	12 pcs	0 pcs	12 pcs	\$7.60/pcs	\$91.20
4	174092	646.3717	Doubler Issue P/O _____ ATG, black anodize and prime as per dwg 646.3717 Rev. A	Firmed	4/18/18	6 pcs	0 pcs	6 pcs	\$7.70/pcs	\$46.20
5	174091	646.3718	Custom Washer Issue P/O _____ ATG, black anodize and prime as per dwg 646.3718 Rev. A	Firmed	4/18/18	12 pcs	0 pcs	12 pcs	\$5.40/pcs	\$64.80
6	174090	646.3719	Doubler Issue P/O _____ ATG, balck anodize and prime as per dwg 646.3719 Rev. A	Firmed	4/18/18	12 pcs	0 pcs	12 pcs	\$7.70/pcs	\$92.40
7	173241	647.1610	Wiper Deflector Fwd Issue P/O to ATG : _____ 1- Hard Anodize, Color Black and Prime as per Dwg, 647.1600	Firmed	4/18/18	8 pcs	0 pcs	8 pcs	\$12.15/pcs	\$97.20
8	168290	647.1710	Plate Issue P/O to ATG : _____	Firmed	4/18/18	5 pcs	0 pcs	5 pcs	\$31.70/pcs	\$158.50
9		647.1711	Plate Issue P/O to ATG : _____	Firmed	4/18/18	5 pcs	0 pcs	5 pcs	\$31.70/pcs	\$158.50

DAS
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9-89